

ABSTRACT OF THE DISCLOSURE

In an electric motor control system according to the present invention, in restarting, after the effect of transient variation has been abated, a phase-reversal-timing detecting means 31 detects the first maximal value V1, the first minimal value V2, and the second maximal value V3, by comparing a value of the integration term of the d-axis component v_{ds}^* of the 2-phase-voltage command outputted from the d-axis current control means 28 with its previous value, and then outputs a time at which the value of the integration term of the d-axis component v_{ds}^* of the 2-phase-voltage command becomes below (the first minimal value V2 + the second maximal value V3) / 2, as the first specific phase at which the current-commanding phase is turned by 180 degrees, to the current phase commanding means 22.